FUJIFILM

Pivi MOBILE PRINTER [MP-300]

Image Intelligence™ · PictBridge

The owner's manual

en: The owner's manual in English and French is available at "http://home.fujifilm.com/products/dmp."

fr: Le manuel d'utilisation en Anglais et en Français est disponible sur le site "http://home.fujifilm.com/products/dmp."

FPT-608106-FP-01

Features

The MP-300 Mobile Printer is a compact portable printer you can take with you anywhere, making it easy for you to print out photos from your digital camera or camera phone.

1. You can print from your digital camera or camera phone anywhere you are.

Images from a digital camera or a camera phone can be printed directly without using a computer.

⬤ Small enough to carry anywhere.

⬤ PictBridge-compatible (P.28)

Easy to print from a PictBridge-compatible digital camera or camera phone using a USB cable.

⬤ Supports high-speed infrared communications (P.24)

You can send images at high speed directly to the MP-300 from a digital camera or camera phone that supports the high-speed infrared communications standard (IrSimple/FIR).

✽ Also supports the previous infrared communications standard (IrDA/SIR).

⬤ Uses compact primary batteries (P.18)

The MP-300 will print around 100 photos on one set of primary batteries (two CR-2 cells) (using infrared communication).

You can also run the printer on AC power using the optional AC-5VX AC power adapter (P.19).

2. Easy printing of beautiful prints

⬤ Make additional prints. (P.36)

The REPRINT button lets you print as many copies as you like of the last image you printed.

⬤ Put the date on your prints. (P.39)

The MP-300 lets you insert the date on your print.

⬤ Enhance your images to make them even sharper. (P.38)

The SHARPEN button gives you a quick and simple way to produce crisper, sharper images.

⬤ Incorporates FUJIFILM's own "Image Intelligence™." digital image processing technology for superior image quality.

Image Intelligence™ is digital image software technology that produces superb image quality by automatically analyzing the photographic and subject conditions and then optimizing the image quality for the desired application and medium. The MP-300 incorporates this technology, enabling it to deliver the best image quality for printing.

⬤ Uses "FUJIFILM Mobile Printer Photo Pack" designed specifically for FUJIFILM mobile printers.

FUJIFILM has developed a film specifically for FUJIFILM mobile printers to ensure the best print quality. The card-size of the film also makes it convenient for storage.

Contents

Quick Start Guide - Infrared communication -

1 Loading the batteries.

(P.21)

2 Loading the photo pack.

(P.22)

Turquoise mark inside the printer

Turquoise mark on the photo pack

3 Turning on the power.

Lit

ERROR
REPRINT
BATT.
PictBridge
POWER

Hold down for 1 second or more.
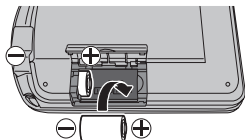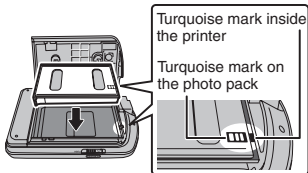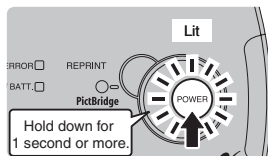
4 Send the image.

(P.24)

20cm (7.9 in.)

15°
15°
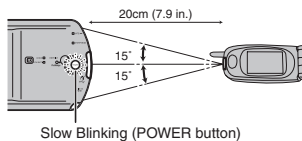
Slow Blinking (POWER button)

5 Take the film out when film output ends. (P.25)

Lit (POWER button)

6
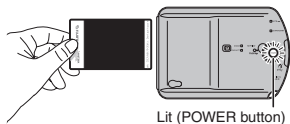
Quick Start Guide - PictBridge -

1 Loading the batteries.

(P.21)

2 Loading the photo pack.

(P.22)

Turquoise mark inside the printer

Turquoise mark on the photo pack
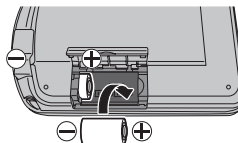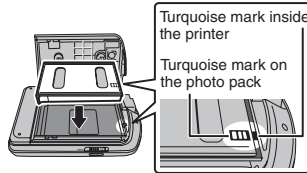
3 Connect the printer to the digital camera*. (P.28)

4 Turning on the power.

Lit

ERROR
REPRINT
BATT.
PictBridge
POWER

Hold down for 1 second or more.
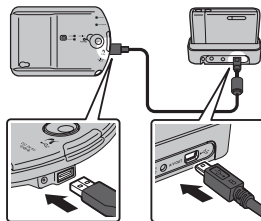
✴ Before connecting the printer, select PictBridge mode in the camera's USB setting, if needed.
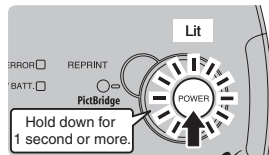
5 Send the image from the digital camera. (P.29)

Lit   Blinking

6 Take the film out when film output ends. (P.25)

Lit (PictBridge lamp)

Lit (POWER button)

7
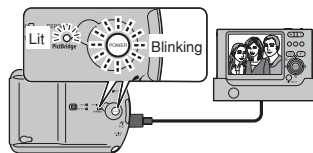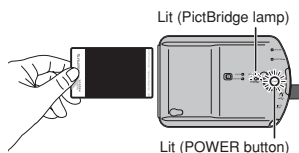
Introduction

Contents of package

1, Lithium Batteries (CR2)
(P.18)

2, Owner's Manual∗

3, Mobile Printer MP-300
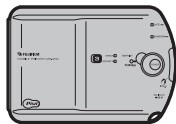
∗ The design of the cover page of Owner's manual may differ depending on the regions.

- IrSimple™, IrSimpleShot™ and IrSS™ are trademarks of the Infrared Data Association®.

- "*Image Intelligence*" and Image Intelligence™ are trademarks of Fuji Photo Film Co., Ltd.

- All other company, organization or product names used in this document are trademarks or registered trademarks of their respective holders in Japan or other countries. Note that the ™ and ® symbols may be omitted in some instances in this document.

About IrSimple™

■ What is IrSimple™?

IrSimple™ is a high-speed infrared communication protocol that permits high-speed data transfer. It was adopted in August 2005 as an international standard by the IrDA® (Infrared Data Association®), which is the standardization body for infrared technology.
IrSimple uses the same physical interfaces (SIR/FIR) as the existing IrDA standard and has the following 2 communication modes:

- Unidirectional
 In this mode, data is only sent in one direction: from the sending device (primary node). Problems that arise during communication cannot be corrected.

- Bidirectional
  This is a bidirectional mode in which the receiving device (secondary node) responds to data sent from the sending device (primary node) by sending the outcome of the data reception or requesting a resend, etc. This allows problems that arise during communication to be corrected.

■ What is IrSimpleShot™ (IrSS™)?

This is a generic name given to unidirectional IrSimple™ communication.

■ IrSimple™ compatibility on the MP-300

The MP-300 supports both IrSimpleShot communication mode and bidirectional communication mode.

■ Restrictions on IrSimple™ on the MP-300

- The MP-300 can only operate as a receiving device (secondary node).
- The MP-300 will only receive IrSimpleShot communication from a sending device equipped with a high-speed infrared communication function (FIR). (The MP-300 does not support IrSimpleShot communication using SIR.)
- When a sending device equipped with a high-speed infrared communication function (FIR) uses FIR to make an IrSimpleShot transmission to the MP-300, the MP-300 can only receive data up to 1 MB in size. (It cannot receive files larger than 1 MB.)
  Note also that, depending on the transmission conditions (transmitted packet size, etc.), the MP-300 may be unable to receive data from a sending device even if it meets the above requirements.

■ IrSimple™ transmission speed

- See "Guide to image sizes and transmission times" on P.27.

Safety Precautions

This product has been made to be as safe as possible. This product will provide long, safe service when handled correctly. It is important that this product is handled properly and used only to print pictures. For your ease and safety, please follow what is written in this manual. It is also a good idea to keep this manual in a safe, easy to find place where you can refer to it if needed.

⚠ **WARNING**	This symbol indicates danger, which could result in injury or death. Please follow these instructions.
⚠ **CAUTION**	This symbol indicates possible damage, which could result in injury to other people or damage to an object. Please follow these instructions. Please handle the product properly.

⚠ **WARNING**		
	⚠🔥	If the printer (or batteries) becomes hot, emits smoke or a burnt smell or otherwise seems abnormal, immediately remove the batteries and disconnect the AC power adapter. Faults of this nature could start a fire and cause burns. (Take particular care to avoid burns when removing the batteries or disconnecting the AC power adapter.)
	⚠🔥	If the printer is dropped into water or if water or metal or other foreign objects get inside the printer, immediately remove the batteries, disconnect the AC power adapter and unplug the AC power adapter from the power outlet. Faults of this nature could cause the printer to overheat or catch fire.

⚠ **WARNING**		
	⚠🔥	Do not use this printer in places where there is flammable gas or near open gasoline, benzine, paint thinner or other unstable substances which can give off dangerous vapors. Faults of this nature could cause the printer to explode or catch fire and cause burns.
	⚠	Store your printer out of the reach of infants and young children.
	⚠	Do not look directly into the infrared port. May harm your eyes.
	⚠🔥	Never take apart the batteries. Do not subject them to heat, throw them into an open fire, attempt to recharge them or short-circuit them. Doing so could cause the batteries to explode.
	⚠🔥	Use only the type of batteries specified in your printer's owner's manual. Faults of this nature could cause the printer to overheat or catch fire.
	⚠	Make sure batteries are stored in a safe, secure place and well out of the reach of any infants, young children or pets. The batteries could be accidentally swallowed by young children or pets. If this occurs, immediately seek medical treatment.
	⚠🔥	Only use the special AC power adapter designated for use with the printer. The use of other AC power adapters could cause the printer to overheat or catch fire.

⚠ CAUTION	🚫	Never attempt to take this product apart. You may be injured.
	⚠	If this product is dropped or damaged so that the inside is showing, do not touch it. You may be injured.
	⚠	Do not touch any projecting parts inside the photo pack door. You may be injured.
	⚡	Never get this product wet or handle it with wet hands. Doing so may result in an electric shock.
	⚠	Do not mix new and old batteries or batteries of different types. Also make sure that the battery ⊕ and ⊖ polarities are correct. A damaged battery or electrolyte leakage may cause a fire, injury, and contaminate the environment.
	🔥	If the printer will be left unused for a long period (because you are traveling, etc), remove the batteries, disconnect the AC power adapter and unplug the AC power adapter from the power outlet. Failing to do so could cause a fire.
	⚡	Do not move the printer while the AC power adapter is still connected to it. Doing so could damage the power cord and cause a fire or electric shock.

Handling & Care

■ Printer care

1. Your printer is a precision instrument. Do not get it wet or drop it. Also, do not expose to sand.
2. If you are not using your printer for a long period, unload the batteries and keep them where they will be safe from heat, dust, and moisture.
3. Do not use solvent such as thinner and alcohol to remove dirt.
4. Keep the printer interior clean as dust or dirt may affect print quality.
5. In hot weather, do not leave your printer in hot places such as in a car or on the beach. Do not leave it in damp places for long periods.
6. Moth repellent gas such as naphthalene may affect your printer and prints. Be careful to keep your printer or prints in a chest or bureau.
7. Because your printer is software-controlled, there is the chance that on rare occasions malfunction. If you experience incorrect operation, reset by removing the batteries and then reloading them.
8. Note that the temperature range within which your printer can be used is +5˚C to +40˚C (+41˚F to +104˚F).
9. Do not dispose of batteries by throwing them in the ordinary garbage as this may start a fire or cause environmental damage.
10. Do not use the printer in aircraft, hospitals or other locations where the use of mobile phones is prohibited.
11. If the printer causes problems with radio or TV reception, move the printer further away from the radio or TV.
12. When using infrared communication to print images, carefully read the owner's manual for the sending device being used and ensure that the device's operating requirements are met.
13. Take great care to ensure that printed materials do not violate copyright, image rights, privacy or other personal rights and do not offend public decency. Actions that violate the rights of others, are contrary to public decency or constitute a nuisance may be punishable by law or otherwise legally actionable.

■ Using USB interface

1. Use the USB cable suitable for the digital camera or camera phone.
2. Ensure that the USB cable is no more than 3 meters (9.8 ft.) long.

■ Using the AC power adapter

Use the FUJIFILM AC Power Adapter AC-5VX (sold separately). The use of an AC Power Adapter other than AC-5VX may result in damage to your printer.

1. Use the AC power adapter indoors only.
2. Plug the power cord securely into the DC input terminal of the printer.
3. Turn off the printer before disconnecting the power cord from the printer's DC input terminal. To disconnect, pull out the plug gently. Do not pull on the cord.
4. Do not use the AC power adapter with any device other than your printer.
5. During use, the AC power adapter may become warm to the touch. This is normal.
6. Do not disassemble the AC power adapter. Doing so could be dangerous.
7. Do not use the AC power adapter in a hot and humid place.
8. Do not subject the AC power adapter to strong shocks.
9. The AC power adapter may emit a humming. This is normal.
10. If used near a radio, the AC power adapter may cause static. If this happens, move the printer away from the radio.

■ Photo pack and print care

1. Keep a photo pack in a cool and dry place. Do not leave a photo pack in a place where the temperature is extremely high (e.g. in a closed car) for long periods.
2. When you load a photo pack, use all the films as soon as possible.
3. If a photo pack has been kept in a place where the temperature is extremely high or low, leave it at normal room temperature for a while before starting to print.
4. Be sure to use the photo pack within the validity period.
5. Avoid airport checked luggage inspection and other strong X-ray illumination. The effect of fogging, etc. may appear on unused films. We recommend that you carry the printer onto the aircraft as carry-on luggage (Check with each airport for more information).
6. Avoid strong light, keep the prints in a cool and dry place.

Notes on Handling Films and Finished Prints

■ Finishing prints

- While the printer can be used at temperatures between 5˚C and 40˚C (+41 ˚F and +104˚F), to get the best possible print quality it should be used at temperatures between 15˚C and 30˚C (+59˚F and +86˚F).
- In cold conditions, quickly place the print in a warm place such as a roomy jacket pocket for around 30 seconds to warm up the image.
- Do not leave the print in extremely hot locations (such as on hot sand or concrete or close to a heating appliance).
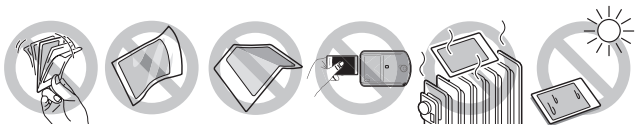
- Avoid exposing freshly produced prints to direct sunlight before the image has stabilized. Also, do not wave prints around, do not bend, fold or scratch prints and avoid touching the middle of the print surface.

■ Caution

The film contains black alkaline fluide. The alkalinity weakens about 10 minutes after printing, but the following precautions should be observed when handling prints:

Do not put in the mouth. Do not cut. Do not pull apart. Do not pierce.

(Take particular care with young children and pets.)

If any of the fluid gets onto skin or clothing, quickly rinse the affected area with plenty of water. If any fluid gets into the eyes or mouth, immediately flush the affected area with large amounts of water and then seek medical treatment.

Restrictions

1. This device was designed and built essentially to print still images that were photographed on the device that is sending the data. (It may not be able to print still images that have been exchanged between sender devices via a media or some form of communication.)
   Depending on the device security settings, restrictions may apply to the printing of downloaded content and images.
2. Data other than images (address book or schedule entries, etc.) cannot be printed.
3. Restrictions apply to infrared transmissions on some sending devices so it may not be possible to transfer large images.
4. The number of recorded pixels and the number of pixels that can be sent via infrared vary depending on the sending device.
5. Some sending devices may convert images to a smaller size for transmission.
6. Some sending devices may not be able to transmit from a memory card via infrared.
7. The appearance of the finished print (sharpness, resolution, etc.) and the printing time varies depending on the image size.
8. The infrared transmission time depends on the file size and the sending device with camera model.
9. The quality of the finished print (color, image quality, etc.) is affected by the photographic conditions and the sending device used.
10. The finished print may not appear as it does on the sending device's LCD screen.
11. Depending on the type of device used to send the data, the orientation of the printed image may differ from that of the displayed image.
12. The printer may be unable to communicate with some devices due to differences in protocols (communication standards) or image formats used.
13. This printer does not support Progressive JPEG.

Necessary Items

Batteries

Two CR2 lithium batteries

- All batteries must be new and be the same size and type.
  Use following five manufacturers.
  1. FUJIFILM 2. PANASONIC 3. SANYO
  4. DURACELL 5. Energizer

CAUTION

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instruction.

- With new batteries, the MP-300 will print around 100 photos∗ when only infrared communication is used and around 70 photos∗ when only USB communication is used (under FUJIFILM test conditions).
- ∗ Print numbers may vary depending on image (file) size, operating temperature, etc.

Photo pack

Purchase the "FUJIFILM Mobile Printer Photo Pack" or the "FUJIFILM instax digital film (pivi)".

- No other type of photo can be used.
- Each photo pack contains 10 sheets of film.

< Front >   < Back >

Unused check window

18
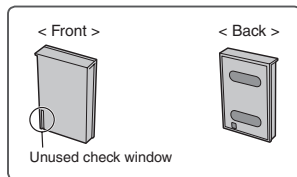
Optional AC Power Adapter

The AC power adapter AC-5VX (sold separately) (P.14)
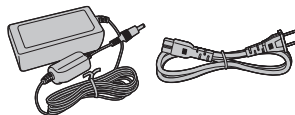
The AC power adapter AC-5VX
(AC100 to 240V, 50/60Hz)

- Recommended for use when sending images from a digital camera via USB cable.

Connection

19

Part Names

DC IN 5V socket

USB socket

DATE button (P.39)

SHARPEN button (P.38)

PictBridge lamp

ERROR lamp (P.41)

Film counter

Low Battery lamp (P.42)

DATE lamp

SHARPEN lamp

REPRINT button (P.36)

Infrared port

POWER button

Battery cover

Photo pack confirmation window (P.23)

Photo pack door

Print eject slot

Release button for the photo pack door knob

Photo pack door knob
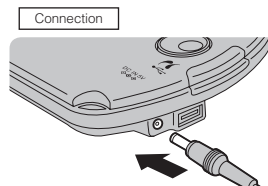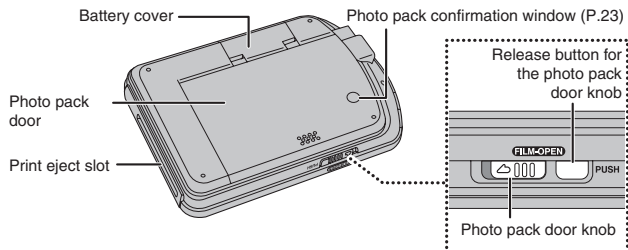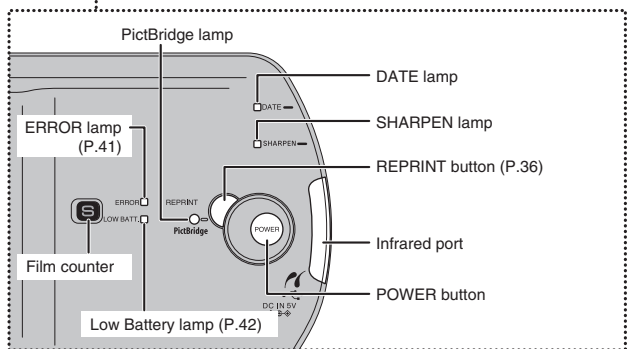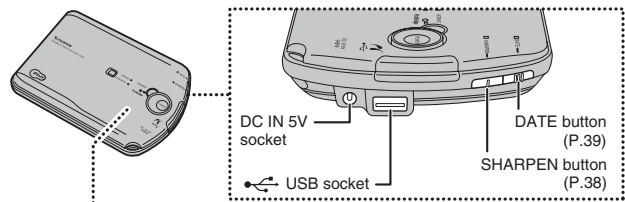
Getting Ready to Print

Loading the batteries

1 Open the battery cover.

2 Loading the batteries.

Match the ⊕ and ⊖ on the batteries to the markings in the battery case.
Insert the batteries ⊖ end first.
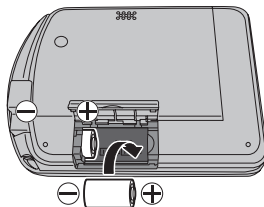
3 Close the battery cover.

When closing the battery cover, press the door until click shut.

20

21
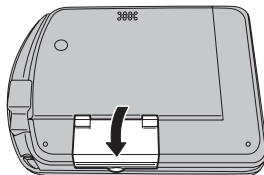
Loading the photo pack
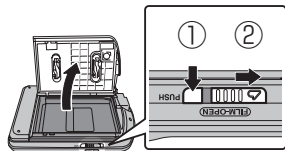
1 Open the photo pack door.

While holding down button ①, slide knob ② in the direction of the arrow.

2 Loading the photo pack.

Turquoise mark inside the printer
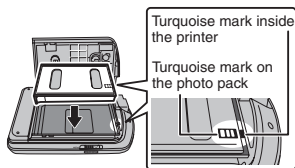
Turquoise mark on the photo pack

Hold the pack by the sides and drop it straight in. Never press on the 2 rectangular holes in the back.

3 Close the photo pack door.

When closing the photo pack door, press the door until click shut.
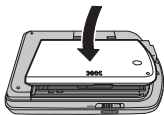
4 Turning on the power.

Lit (POWER button)

Blinking (5 sec.)
↓
Turn off (11 sec.)
↓
10

Hold down the POWER button (one second or more) to turn the printer on.

● The first time the printer is turned on after photo pack is loaded, the printer performs internal printing preparations. The printer receives data while the motor is running and printing starts when preparation is completed.
● When the POWER button lights and "10" appears on the film counter, the printer is ready to print.
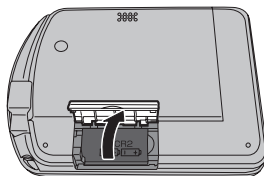
Photo pack confirmation window
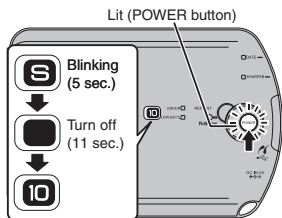
Photo pack loaded
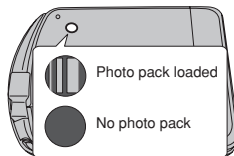
No photo pack

This window allows you to check whether there is a photo pack loaded into the printer.

◆ Photo pack care ◆

The film is sensitive to light and dust. Light inside the photo pack may expose the film, causing incorrect printing of images. Also, any dust inside the photo pack or printer may scratch the film. Always observe the following precautions when using photo packs.

🕯 Avoid exposure to light.

● Avoid exposure to direct sunlight when loading the photo pack.
● Never press on the 2 rectangular holes in the back.
● Stopping midway or re-opening the door before it is fully closed risks exposing the photos.

🕯 Avoid exposure to dust.

● Avoid exposure to dust when loading the photo pack.
● Do not remove the photo pack's inner packaging until just before loading it directly into the printer.

PRINTING - Infrared communication -

Setting up for infrared transmissions

On the sending device, select the image to be printed.

(P.26)

Printing

1 Turning on the power.

Lit

Hold down the POWER button (one second or more) to turn the printer on.

● The POWER button lights.
● If you leave the printer on, it automatically turns off (after 3 minutes when using batteries and after 10 minutes when using the AC power adapter).

Check the film counter to ensure that a film remains in the printer.

2 Align the infrared ports.

20cm (7.9 in.)

15°
15°

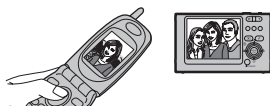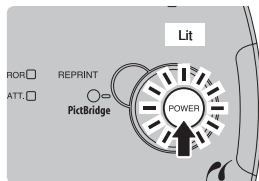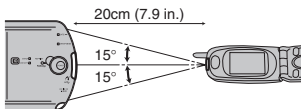Point the infrared port on the sending device directly at the printer's infrared port. (P.27)

● Images can be transmitted up to 20 cm (7.9 in.) at an angle of up to 15° up, down, left or right.

3 Send the image from the sending device using infrared communication.

Slow Blinking (POWER button)

● The POWER button blinks slowly during image transfer.
● See P.26 for information on infrared transmission from a mobile phone.

The film is fed out roughly 20 seconds after the printer receives the image.

⏚ → ■ → ⏛

Rapid Blinking (POWER button)

● The POWER button blinks rapidly during printing.
● Printing of a VGA-size (FUJIFILM standard) image takes 20 seconds once the infrared signal is received.
● Printing may take longer for images larger than VGA-size.

4 Take the film out when film output ends.

Lit (POWER button)

Take the print out when the POWER button stops blinking and stays lit.

● When the POWER button stops blinking and stays lit, the next image can be transferred.

When the printer is connected to a digital camera (when the PictBridge lamp is lit), images cannot be printed using infrared communication. To use infrared communication to print, first disconnect the USB cable.

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2 Precautions during data transfer
● Do not place objects between the sending device and the printer.
● Leaving the printer in direct sunlight or directly under fluorescent lighting may prevent data transfer.
● The sending device and printer may be unable to communicate successfully if they are close to equipment that generates interference or close to other infrared communications devices such as remote controls for TVs or VCRs.
● Do not move the sending devise's infrared port or the printers infrared receptor until data transfer ends.

4 Notes on taking out film
● Never pull the film out before the printer has finished feeding the film out.
● Grip the leading edge of the film and pull it straight out, taking care not to bend the film.
● Always take the print out when printing is complete.

Printing

Sending images from a camera phone

1 Select the image on the mobile phone.

● On some models, the image cannot be sent if it is displayed at full size. If so, return to the thumbnail or list mode and then select infrared transmission.

2 Select infrared transmission.

Rotate image
Infrared transmission
Delete image

3 Confirm the transmission (YES) to begin sending the image.

Send infrared transmission?
Y E S / N O

✽ Sample mobile phone screens.

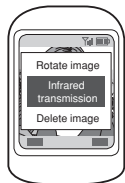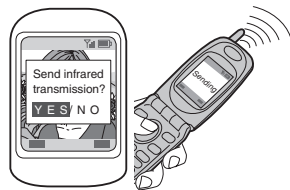● The location of the mobile phone's infrared port, its operation procedure and the text displayed on the screens all differ depending on the particular model used. Refer to the owner's manual for your phone.
● Refer to the owner's manual for your mobile phone for information on how to send images from the mobile phone.

Examples of camera phone infrared port locations
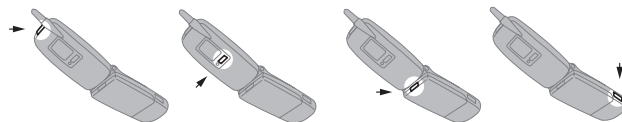
Guide to image sizes and transmission times

The MP-300 supports IrDA high-speed communication (IrSimple/FIR). This provides faster connection speeds and shorter transmission times when the image is sent from a compatible device.

Main image sizes (pixels)	High-speed infrared communication (IrSimple/FIR)		Infrared communication (IrDA / SIR)
	Unidirectional	Bidirectional	
VGA (640×480)	Approx. 0.3 sec.	Approx. 0.3 sec.	Approx. 19 sec.
1M (1280×960)	Approx. 1.3 sec.	Approx. 1.4 sec.	Approx. 75 sec.
3M (2048×1536)	Approx. 1.7 sec.	Approx. 1.8 sec.	Approx. 100 sec.
5M (2592×1944)	- (✽)	Approx. 4.7 sec.	Approx. 160 sec.

✽ The MP-300 cannot print ordinary images with a file size larger than 1 MB.
● The times given here are purely a guide. Actual times differ depending on the performance of the sending device (primary node).
● Transmission times vary depending on the file size and the type of sending device used.
● The transmission time will be longer if an image with a large file size is sent.

┌─ ◆ **Recommended image sizes for transmission** ◆ ─
For the best balance between data transmission times and image quality, images should be photographed at VGA-size (640 × 480).

● Depending on the model of the sending device, it may not be possible to shoot images at VGA-size and then send the images via infrared.

● For information on the location of the infrared port on the sending device (digital camera, PC, PDA, etc.) and on the image transmission procedure, refer to the owner's manual for the sending device.

PRINTING - PictBridge -

Setting up for USB transmissions
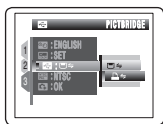
Select PictBridge in the digital camera's USB setting.

● For information on using your digital camera, refer to the owner's manual supplied with the camera.

Connect the digital camera to the printer.

● When the printer and the digital camera are correctly connected, the PictBridge lamp will light after MP-300 power on.
● Use the USB cable supplied with the digital camera. Do not use an extension cable or USB hub.
● The location of the USB socket varies depending on the digital camera used.
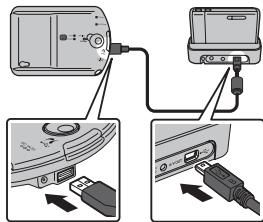
On some digital camera models, the digital camera should be turned off at this point. Because the transmission method varies depending on the model used, check the owner's manual for your digital camera.

Printing

Lit

1 Turning on the power.

Hold down the POWER button (one second or more) to turn the printer on.

● The POWER button lights.
● If you leave the printer on, it automatically turns off (after 3 minutes when using batteries and after 10 minutes when using the AC power adapter).

Check the film counter to ensure that there is still film in the printer.

On some digital camera models, the digital camera should be turned on at this point. Check the owner's manual for your digital camera.

Lit   Blinking

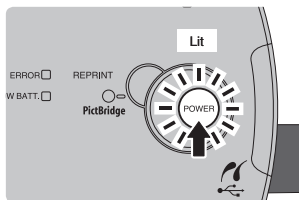### 2 Select the image on the digital camera and then print the image.

● The POWER button blinks slowly during image transfer.
● For information on using your digital camera, refer to the owner's manual supplied with the camera.
● If multiple prints have been specified, refer to P.31.

Lit (PictBridge lamp)

Rapid Blinking (POWER button)
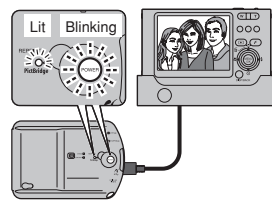
The film is fed out roughly 20 seconds after the printer receives the image.

● The POWER button blinks rapidly during printing.
● Printing of a VGA-size (FUJIFILM standard) image takes 20 seconds once the infrared signal is received.
● Printing may take longer for images larger than VGA-size.

Lit (PictBridge lamp)
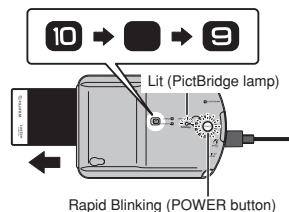
Lit (POWER button)

3 Take the film out when film output ends.

Take the print out when the POWER button stops blinking and stays lit.

● When the POWER button stops blinking and stays lit, the next image can be transferred.
● See "Notes on taking out film". (P.25)
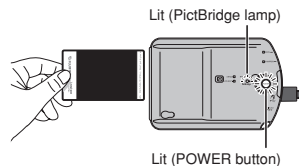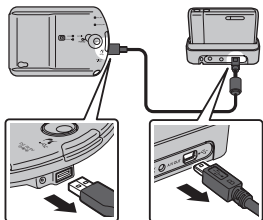
Printing

4 Turn the digital camera off and then disconnect the USB cable.
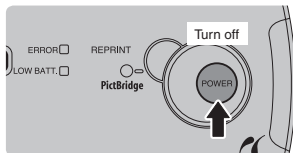
5 Turn the printer off.

Turn off

● If you are using the AC power adapter, turn the printer off before disconnecting the adapter.

ERROR☐ REPRINT
LOW BATT.☐ **PictBridge**

◆ **Recommended** ◆

The use of an AC power adapter (optional AC-5VX) is recommended for printing via USB communication. (P.19)

● Do not disconnect the USB cable or AC power adapter or turn the power off until printing has finished.

● The location of the digital camera's USB socket, its image transmission procedures and operation procedures all differ depending on the camera model used. Refer to the owner's manual for your camera.

30

If 2 or more prints are set at the camera

If 2 or more prints have been specified, take the film out after the first image has been printed and then proceed as described below.

Blinking   Lit

ERROR☐ REPRINT
W BATT.☐ **PictBridge**
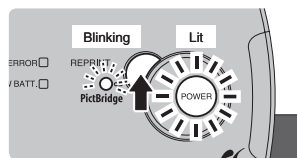
1 Check that the POWER button is lit and that the PictBridge lamp is blinking.

2 Press the REPRINT button.

● When the PictBridge lamp is blinking, pressing the REPRINT button prints the next selected image.

3 Take the film out when film output ends.

● If the film counter decrements to "0" while the specified images are being printed, see "When the film runs out while printing". (P.35)

Lit (POWER button)
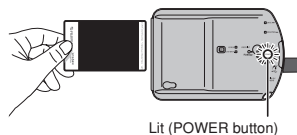
Repeat steps 1 to 3 until all the images have been printed.

Lit   Lit

ERROR☐ REPRINT
W BATT.☐ **PictBridge**
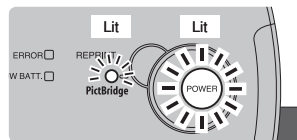
When all the specified images have been printed, the PictBridge lamp stops blinking and stays lit.

● Do not disconnect the USB cable or AC power adapter or turn the digital camera off until all the images have been printed.

Printing

31

PictBridge print specification compatibility table

Supported print specifications	
Multiple copies for multiple images	If one or more of the selected images cannot be processed, printing ends at that point. Printing cannot be resumed mid-way through.
Date and file name printing	Supports up to 12 alphanumeric characters and symbols.
Automatic printing of images with DPOF settings	If the USB cable is disconnected before printing of the last of the specified number of images is completed, printing ends at that point. Printing cannot be resumed mid-way through.
Printing of trimmed images	The specified portion of the image is printed.
Index prints	Prints 4 frames on 1 sheet of film. If any of the specified images are incompatible or damaged, the index print will not be printed correctly.
Layout printing ◢ **Do not cut prints.**	Single-frame, 2-frame and 4-frame layouts are supported. If any of the specified images are incompatible or damaged, the layout print will not be printed correctly.

● Different digital camera models are equipped with different print setting functions.

Guide to image sizes and transmission times

Main image sizes (pixels)	USB transmission time
VGA (640 × 480)	Approx. 7 sec.
1M (1280 × 960)	Approx. 13 sec.
3M (2048 × 1536)	Approx. 23 sec.
5M (2592 × 1944)	Approx. 32 sec.

USB transmission times differ depending on the image size.

● Transmission times vary depending on the file size and the type of sending device used.
● The transmission time will be longer if an image with a large file size is sent.

Additional Information and Notes on Printing

Printable image sizes and formats

Image size	Format
60 × 60 to 6400 × 6400 (pixels)	JPEG

◢ When images with a large file size are sent, there may be a delay before printing starts.

Printing exceptions

With some image sizes, white margins may appear on the print.

Example
120 × 120 (pixels)

Depending on the aspect ratio, parts of some images may not be printed.

Example
288 × 352 (pixels)
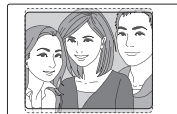
┌── ◆ **Precautions during printing** ◆ ───────
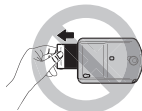
◢ Never touch the print while it is being fed out of the printer.
◢ Do not shake, strike or vibrate the printer during printing.
◢ Ensure that your fingers or other objects do not block the print eject slot.
◢ Ensure that there are no obstructions within 10 cm (3.9 in.) of the print eject slot.

Printing

When the Film Runs Out

Check for "0"!
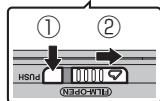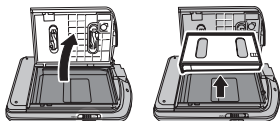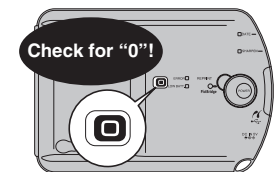
1 Check that the film counter shows "0".

When the printer runs out of film, the POWER button goes dark and "0" appears on the film counter.

● Each time a new image is sent to the printer, or each time the POWER or REPRINT button is pressed, the film counter blinks (5 times) to indicate that the printer is out of film.

2 Remove the photo pack.

① ②

PUSH

FILM-OPEN

◆ **Notes on reloading photo pack** ◆

Unused

On an unused photo pack, the unused check window is closed all the way to the "■" mark.

Used

On a used photo pack, the unused check window is open to the "▲" mark.

🔥 Do not take out a photo pack until using up all 10 films.

● The films will be exposed.

● The film counter is reset when a photo pack is removed and may not show the correct number of remaining films.

🔥 Take care not to load a used photo pack.

● Always check the unused check window on the photo pack before replacing the film.

● If you mistakenly load a used photo pack, the printer will run normally but will not print images.

34

When the film runs out while printing

Check for "0"!
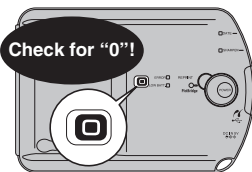
1 Check that the film counter shows "0".

If the printer runs out of film while it is printing a specified number of images, the POWER button and the PictBridge lamp blink rapidly and "0" appears on the film counter.

1 2
3 4

2 Load a new photo pack.

(P.22)

● Leave the printer turned on.

Lit   **Lit**

ERROR☐   REPRINT
OW BATT.☐   PictBridge   POWER
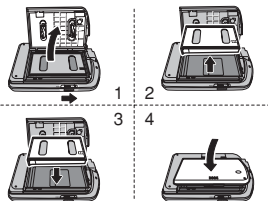
3 Restart printing of the specified images.

When the POWER button and PictBridge lamp stays lit, press the REPRINT button.

● When you replace the film while printing a specified number of prints, leave the printer turned on. Turning the printer off while replacing the film will delete the digital camera print settings.

Printing

35
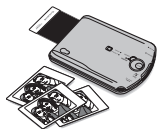
REPRINT

Simply by pressing the REPRINT button, you can print as many copies as you like of the last image printed.

● If the power is cut, the last image is stored.
● Transferring a new image overwrites the stored image.
● This function cannot be used with USB communication.
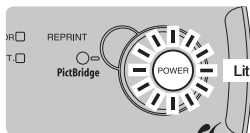
1 Check that the printer is turned on.

● If the printer is turned off, turn it on.
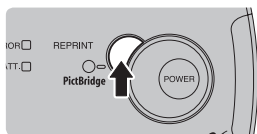
2 Press the REPRINT button.

● If there is no image stored in the printer's memory, the ERROR lamp blinks 3 times. (P.41)

3 Take the film out when film output ends.
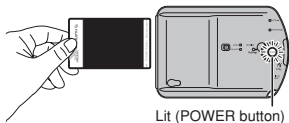
Lit (POWER button)

● When the printer is connected to a digital camera (when the PictBridge lamp is lit), you cannot use the reprint function. Disconnect the USB cable and wait until the PictBridge lamp is off before using this function.
● Color tones may change slightly in continuous printing.

Erasing the stored image

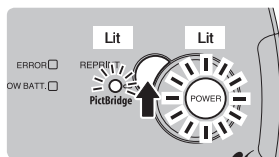**When the printer is turned off, hold down the REPRINT button as you turn the printer on. This erases the stored image.**
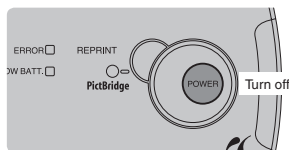
1 Check that the printer is turned off.

● If the printer is turned on, turn it off.
● When the printer is turned off, all the lamps are off.
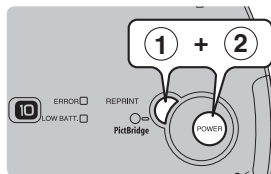
2 Hold down the REPRINT button as you press the POWER button.

1 + 2
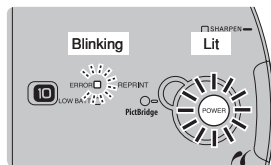
When the POWER button lights and the ERROR lamp blinks once, erasing is completed.

Blinking   Lit

SHARPEN Mode

☐ SHARPEN ▬

This mode prints images sharper and crisper.

● This can be used with the infrared communication, USB communication and reprint functions.
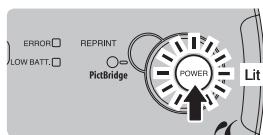
1 Turning on the power.

● The POWER button lights.
● During USB communication, the PictBridge lamp also lights.

Lit

2 Press the SHARPEN button.

● The SHARPEN lamp lights.
● Pressing the SHARPEN button alternately turns sharpen mode on and off.
● Sharpen processing is only applied with the SHARPEN lamp is lit.

Lit

3 Send the image.

To use reprint funciton, press the REPRINT button.

● Sharpen processing starts when the image is received (approx. 10 seconds).

4 Take the film out when film output ends.

● Turning the printer off cancels sharpen mode.

Lit (POWER button)
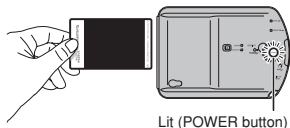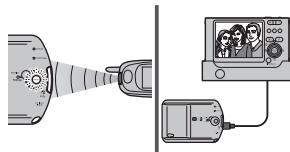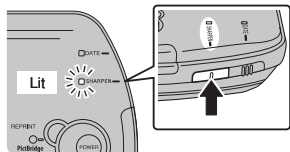
● The effects of sharpen mode may not be suited to some transmitted images. (E.g. The printed image may appear jagged or artificial.)

38

DATE Mode
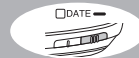
☐ DATE ▬

This mode inserts the date on printed images.

● This can be used with the infrared communication and reprint functions.

When via infrared communication and reprint function is used

1 Turning on the power.

● The POWER button lights.

Lit
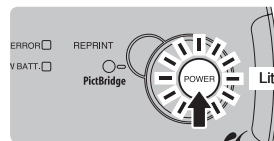
2 Press the DATE button.

● The DATE lamp lights.
● Pressing the DATE button alternately turns date mode on and off.
● The date is only printed on images when the DATE lamp is lit.

Lit

3 Send the image.

To use reprint funciton, press the REPRINT button.
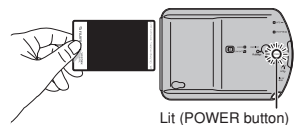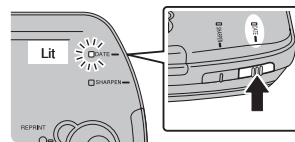
4 Take the film out when film output ends.

● Turning the printer off cancels date mode.

Lit (POWER button)

39

DATE Mode

When PictBridge is used

Set date mode on the digital camera.

● For information on setting date mode on your digital camera, refer to the owner's manual for the camera.

Date printing position

2006.06.06

2006.06.06

◆ **When an image with no date information is sent** ◆

Blinking (7 times)

Blinking (3 times)
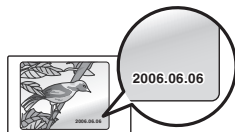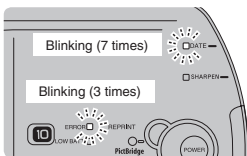
If date mode is selected and the image sent has no date information or has date information that is not EXIF data, the ERROR lamp blinks 3 times, the DATE lamp blinks 7 times at the same time and the image cannot be printed. Cancel date mode and then resend the image or send a different image.

● The date printed is the date included in the transmitted data.
● If the image has been edited (such as by adding a frame after the picture was taken), the image's recorded date may be overwritten.
● Date mode supports EXIF-format data.
● The printed date may be difficult to see against some backgrounds. The date color cannot be changed.
● Date information that was added by a sending device may not be printed correctly.

ERROR - ERROR lamp -

Lit (Approx. 7 sec. → Power off)
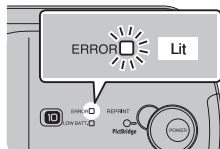
ERROR Lit

Operating temperature too high or too low.

Only use between +5°C and +40°C (+41°F and +104°F).

◆ **When the ERROR lamp lights** ◆

Take the measures described below to restore printer operation.
<Operating temperature too low>
Use the printer at +5°C (+41°F) or higher or warm the printer at body temperature for around 10 minutes.
<Operating temperature too high>
Use the printer at +40°C (+104°F) or lower or move the printer to a cool location.

Blinking (3 times)

ERROR Blinking (3 times)
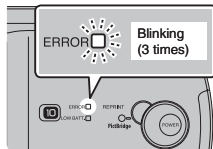
Case 1. Cannot print transferred data.

Check image size/format. (P.9, 33)
● If a Progressive JPEG image is sent, the POWER button may blink.

DATE Blinking (7 times)

Case 2. No stored image for "Reprint".

Transfer an image.

ERROR Blinking (3 times)
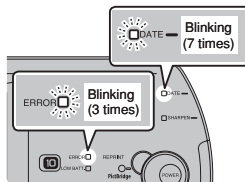
Date mode error

See "When an image with no date information is sent". (P.40)

ERROR Blinking (3 times)

Lit
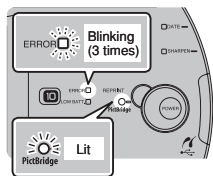
PictBridge communication error

See "Troubleshooting USB communication problems". (P.46)

Error

ERROR - LOW BATTERY lamp -

Lit

BATT. ☐ Lit   POWER ○ Lit

ERROR ☐
LOW BATT. ☐   REPRINT
                PictBridge   POWER
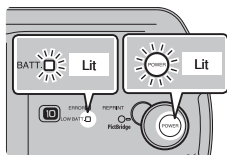
The batteries are about to run out.

Have new batteries ready. (P.18)

LOW BATT. ☐ Lit

ERROR ☐
LOW BATT. ☐   REPRINT
                PictBridge   POWER
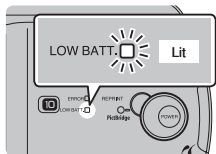
Case 1. Battery low.

Load new batteries. (P.21)

🔥 When replacing the batteries, turn the printer off beforehand.

🔥 Do not reload batteries while the printer (motor) is running as this could cause printer malfunctions.

Case 2. You are using the wrong AC power adapter.

Only use the FUJIFILM AC-5VX AC Power Adapter. (P.14, 19)

Case 3. The AC power adapter may be faulty.

Refer to the owner's manual of the AC power adapter.

Blinking

LOW BATT. ☐ Blinking

ERROR ☐
LOW BATT. ☐   REPRINT
                PictBridge   POWER
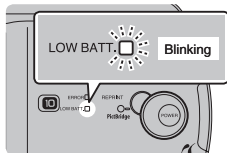
The printer may be faulty.

Complete the enclosed service card and contact your nearest FUJIFILM authorized distributor.

42

Troubleshooting

■ Troubleshooting printer problems

Problems	Possible Causes	Solutions
The photo pack won't load into your printer, or won't load into your printer smoothly.	① The photo pack is not for your printer.	① Use the "FUJIFILM Mobile Printer Photo Pack" or the "FUJIFILM instax digital film (pivi)" (No other photo pack can be used). (P.18)
	② The photo pack is loaded incorrectly.	② Align the turquoise mark on the photo pack with the locating mark (turquoise) on the printer when loading the pack.
POWER button was pressed but nothing happened.	① The batteries are dead.	① Load new batteries. (P.18)
	② The batteries are loaded incorrectly.	② Load the batteries correctly. (P.21)
	③ You released the POWER button too soon.	③ Hold the POWER button down until the POWER button lights (one second or more).
	④ The AC power adapter is not connected correctly.	④-1 Ensure that the AC power adapter is connected to the printer correctly.
		④-2 Ensure that the AC power adapter is plugged into the mains power outlet correctly.

43

Problems	Possible Causes	Solutions
The sending device sent the image, but it won't communicate with the printer (also, the POWER button is not lit).	① You left the printer on for some time without using it at all (3 minutes when using batteries and 10 minutes when using the AC power adapter). ② The film counter shows "0".	① Press the POWER button to turn the printer back on. ② Remove the photo pack and load a new pack. (P.34)
Data transfer ended and nothing was printed.	① No photo pack is loaded. ② A used photo pack was loaded by mistake. ③ The image or text data sent is not compatible with the printer.	① Load a new photo pack. (P.22) ② Load a new photo pack. (P.22) ③ Send a printable image format. (P.33)
The ERROR lamp blinked (for about 7 seconds) and then the printer turned off.	The ambient air temperature is either very low or very high and the printer became too cold or too hot (outside the printer's operating range of 5°C to 40°C (+41°F to +104°F)).	Use your body heat to warm the printer or place it in a cool location. Once the printer's temperature is back inside its operating range, the error will clear and the printer will be ready to use. (P.41)

■ Troubleshooting infrared communication problems

Problems	Possible Causes	Solutions
Data was sent from your mobile phone but it can't contact the printer (The POWER button does not blink).	① The sending device is not compatible with the printer. ② The infrared port on the sending device is not pointed at the infrared port on the printer. ③ Communication was prevented by a problem with the angle, distance or intervening obstacles. ④ There is a problem with the infrared communication.	① Send the data from a compatible device. ② Check the location of the infrared port on the sending device and then send the data again from within the effective image transmission range. (P.27) ③ Check the image transfer conditions and try again. (P.24) ④ Try turning the printer off and on again.
The POWER button changed from blinking to lit during data transfer and nothing was printed.	① Communication with the sending device timed out (due to a problem with the angle, distance or intervening obstacles). ② Data transfer was affected by interference from another appliance or signals from another infrared device (TV or video remote, etc.).	① Check the image transfer conditions and try again. (P.24) ② Try again in a location away from other infrared devices.

Problems	Possible Causes	Solutions
The POWER button changed from blinking to lit during data transfer and nothing was printed.	③ The sending device is not compatible with the printer.	③ Send the data from a compatible device.

■ **Troubleshooting USB communication problems**

Problems	Possible Causes	Solutions
The print menu does not appear on the digital camera.	① The digital camera is not a PictBridge supported model. ② PictBridge is not selected in the digital camera's USB setting. ③ The USB cable is not connected correctly. ④ The power of MP-300 is off.	① Use a PictBridge supported digital camera. ② Change the digital camera's USB setting to PictBridge mode. ③ Check the USB cable connections. ④ Power on MP-300.
The PictBridge lamp does not light.	The USB cable is not connected correctly.	Check the USB cable connections.
The printer won't start printing. (The POWER button doesn't start blinking rapidly.)	Data reception from the digital camera takes some time because the image is large.	To shorten data transfer times, use small image sizes (around 640 × 480 pixels) for your shots. (P.32)
The POWER button changed from blinking to lit during data transfer and nothing was printed.	The device sending the data is not compatible with the printer.	Send the data from a compatible device.

Problems	Possible Causes	Solutions
Error sign appears on the camera.	① There was a fault of some kind during USB communication. ② The printer is not turned on. ③ The printer is out of film.	① Turn the digital camera and the printer off and then back on again. ② Turn the printer on. ③ Load a new photo pack.
The ERROR lamp blinks (3 times).	① An error occurred during data transfer. ② The image sent exceeds the maximum number of pixels supported by the printer.	① Resend the images. ② The maximum number of pixels (image size) supported by the printer is [6400 × 6400 pixels].
When I send multiple images one at a time, the second and subsequent images are not printed. (The PictBridge lamp is blinking.)	The interval between transmissions is 5 seconds or less.	① Press the REPRINT button. ② When sending images one at a time, leave an interval of at least 5 seconds between images.

■ Troubleshooting problems with finished prints

Problems	Possible Causes	Solutions
The corners of the finished print are dark.	The photo pack door was opened before the film was used and the film was exposed to the light.	Use a new photo pack. (P.22)
There are smudges on the image.	① Pressure was applied to the print immediately after it was fed out. ② The print was not fed out smoothly.	① Do not wave prints around and do not bend, fold or apply pressure to prints. (P.16) ② Do not block the print eject slot. (P.33)

Glossary

DPOF: DPOF stands for Digital Print Order Format and refers to a format that is used for recording printing specifications for images shot using a digital camera on media such as an xD-Picture Card. The recorded specifications include information on which frames are to be printed.

Exif: Exif (abbreviation of Exchangeable image file format) is a specification for the image file format used by digital cameras and camera phones.
It was created by the Japan Electronic Industry Development Association (JEIDA).
The metadata tags defined in the Exif file cover a broad spectrum such as date and time, camera settings.

JPEG: Joint Photographic Experts Group. A file format used for compressing and saving color images. The higher the compression rate, the greater the loss of quality in the decompressed (restored) image.

PictBridge: PictBridge is an industrial standard for connecting digital cameras to printers.
It allows easy direct printing regardless of brands of cameras and printers.

Specification

Photo pack used	FUJIFILM Mobile Printer Photo Pack FUJIFILM instax digital film (pivi)
Image size	61 × 46 mm (2.4 × 1.8 in.) (Film size: 86 × 54 mm (3.4 × 2.1in.))
Display	Film counter (shows remaining shots) Power supply (POWER button) ERROR lamp LOW BATTERY lamp SHARPEN lamp DATE lamp PictBridge lamp
Control buttons	POWER button (power supply) REPRINT button (reprints the last image) SHARPEN button (SHARPEN Mode/Image editing) DATE button (DATE Mode/Date printing)
Interface	IrDA (IrSimple/FIR, SIR) USB (PictBridge)
Recording method	3-color (RGB) LED exposure with liquidcrystal shutter
Printing levels	256 levels per color (RGB)
Supported image format	JPEG
Printable image sizes	60 × 60 to 6400 × 6400 pixels
Max. supported file size	IrDA (FIR, SIR/IrSimple bidirectional mode) and USB: Unrestricted IrDA (FIR IrSimpleShot): Up to 1 MB (✳)

Image enhancement functions	Image Intelligence™ SHARPEN Mode
Printing time	Image recording - photo output (fed out): Approx. 20 sec.
Possible number of prints	Using infrared communication only: Approx. 100 prints (under FUJIFILM test conditions) Using PictBridge communication only: Approx. 70 prints (under FUJIFILM test conditions)
Power supply	Two CR2 lithium batteries AC power adaper (optional: AC-5VX)
Power consumption	3.0 W (writing/feeding)
Auto Power Off delay	Using batteries as the power supply: 3 minutes Using the AC power adapter as the power supply: 10 minutes
Operating temperature	+5°C to +40°C (no condensation) (+41°F to +104°F)
Dimensions	146 × 102 × 29 mm (5.7 × 4.0 × 1.1 in.)
Weight (without batteries and photo pack)	225 g

✳ SIR IrSimpleShot is not supported.

● Specifications are subject to change without notice.
FUJIFILM shall not be held liable for damages resulting from errors in this owner's manual.

– About Mobile Printing Ready Products –
This "Mobile Printing Ready" product is designed to provide easy
printing from mobile phones. This product follows Mobile Imaging and
Printing Consortium (MIPC) Implementation Guitelines for Printing with
Mobile Terminals Version 2.0 for (Select)

About MIPC (Mobile Imaging and Printing Consortium)
The MIPC is a non-profit industry association founded in 2004 by
leading companies in photo printing and the mobile phone industry. Its
mission is to promote and support the development of interoperability
guidelines enabling printing of images and other content between
mobile phones and printing devices. The guidelines are promoted for
use internationally to ensure a broad spectrum of products and services
for mobile phone consumers.
www.mobileprinting.org